



8 May 2006

FCC ID: RTP550-10016-7 Model: CM9-C1

Dear Sir,

We would like to declare that our product: 802.11a+b+g mini-PCI transmitter module, Model: CM9-C1, FCC ID: RTP550-10016-7 meets the requirements as a limited modular device which was indicated in FCC Public **DA 00-1407**, and to have your authorization as a limited modular approval. The statement is listed below:


- 1 "The modular transmitter must have its own RF shielding." The radio portion of this module has been shielded.
- 2 "The modular transmitter must have buffered modulation/data inputs." The EUT has buffered data inputs, it is integrated in chip AR5213.(Please see the schematic file)
- 3 "The modular transmitter must have its own power supply regulation." The modulator of the transmitter needs 2.5 V DC power supply for RF transmitting level. The mini-PCI interface provides 3.3V DC power supply, so there is a 3.3/2.5 DC regulator on the module, and the part number of this regulator is LTC3406ES5 VR1.
4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(c)." The EUT uses standard antenna connectors. It is only used in the Miltope CAP which is professionally installed in aircraft.
5. "The modular transmitter must be tested in a stand-alone configuration". The EUT was originally tested standalone to meet all radio requirements. It was then tested in a representative host to add the various additional external antennas applied for in this filing. Testing of the various antennas for spurious and bandedge emissions is independent of the chassis the module is install in.
6. "The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module." The label exhibit shows the labeling of the module. In the OEM installation manual, there are labels and the instructions on how to label the end product.



7. “The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirement.” The EUT is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the manual.

8. “The modular transmitter must comply with any applicable RF exposure requirements.” The EUT is compliant with the applicable RF exposure requirements. RF Exposure is addressed in the MPE test report.

Sincerely,


Gerrett L. Durling
Principal Engineer